



PotNit[®] 13-0-46

F O R T

Advantages of PotNit[®] FORT

- **High purity:** PotNit[®] FORT free of chlorine compound, sodium and heavy metals. Which consider limited element for plant growth.
- **Fully water Soluble:** PotNit[®] FORT is a free flowing, fine crystalline powder, which dissolve quickly in water without any residues.
- **Compatibility:** PotNit[®] FORT can be mixed with all water-soluble fertilizers, & also compatible to mixed with the majority of pesticide in foliar application.
- **No Salt Accumulation:** PotNit[®] FORT can be used to supply the potassium needs for Crops without supplying excess of sulphate or chloride.
- **Potassium:**
 - Improves the efficiency of other nutrients, increasing crop yields.
 - Essential for crop quality, fruit shape, color and sugar content
 - Improves (WUE) water use efficiency controlling water loss in hot weather
 - Essential to stress tolerance, improves tolerance to cold e.g. frosts.
 - Helping plants tolerate disease and insect infection, via strength cell wall.
- **Nitrate nitrogen:**
 - Directly available for plant uptake, resulting in fast growth responses.
 - None N-volatilization, it readily available to plants.
 - The preferred nitrogen source for most horticultural and high value agricultural crops.
 - Improves the plant uptake of the cations potassium, calcium and magnesium & prevent the root damage especially in the soils that subjected to high temperature.



Due to its ideal N/K ratio PotNit[®] FORT Suitable for all crops and growth stages, including flowering and ripening stages.

Fertigation

Potassium Nitrate is an indispensable component in all well balanced fertigation programmes, both for soil grow crops & hydroponic systems.

Under saline or alkaline conditions, PotNit[®] FORT is the only suitable K-choice, It is the only K-source suitable for intensive cropping without risk of sulphate or chloride salt accumulation. & avoids root degeneration, especially at high soil temperatures.

PotNit[®] FORT is even more important for hydroponic systems - the most intensive and sensitive technique.

PotNit[®] FORT potassium nitrate is essential to be add.

Foliar application

Due to Low risk of leaf burning (low EC-Value and osmotic pressure) & wide compatibility with other plant nutrient sources & pesticides.

PotNit[®] FORT ia widely recommended for foliar plant nutritional use.

Foliar application of PotNit[®] FORT is an excellent way to supply additional nitrogen and potassium during critical physiological or environmental conditions.

Furthermore, important physiological process such as dormancy break (mango and deciduous fruits) ripping, fruit maturation etc. can be influenced with foliar application of PotNit[®] FORT.

Specification PotNit[®] FORT

Total nitrate nitrogen contents (NO ₃)	13.5% (min)
Total Pottasium contents (K ₂ O)	45.5 % (min)
Total potassium content (K)	37.8 % (min)
Solubility (g/l at 25 °C)	316
insoluble	< 0.1%
EC (1 g/l at 25 °C, in mS/cm)	1.3
Form	crystalline odorless powder
Colour	White



Bagging

- WPP with PE inert (resist tearing, easier to read, keep product drier, reduce caking problems)
- Available in: 25 Kg bags

For more information please contact local Distributor in your area, or contact us via E-mail: info@adfert.ae

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